

**WHAT IS CLAIMED:**

1. A method for controlling spider mites in an agricultural crop, comprising:  
applying a treatment solution of at least 1.0% concentration beta acids to the crop as an emulsion, and including soap in the emulsion in an amount sufficient to reduce film in the treatment solution.
2. A method for controlling powdery mildew in an agricultural crop, comprising:  
applying a treatment solution of at least 1.0% concentration of beta acids to crop as an emulsion, and including soap in the emulsion in an amount sufficient to reduce film in the treatment solution.